

## Book Reviews

### Filter Design Data for Communication Engineers

By J. H. Mole. Published (1952) by John Wiley, 440 Fourth Ave., New York 16. i-xvi + 246 pp. + 4 pp. index. 127 illus. 56 tables.  $6 \times 9\frac{3}{4}$  in. Price \$7.50.

This volume, as its title indicates, is primarily intended for the engineer concerned with filter design. Emphasis is on design problems to the almost complete exclusion of theoretical considerations. Derivations of formulas have been included only when necessary to the clarity of presentation. All filters treated are, with one exception, Zobel filters. This exception is the coupled resonant bandpass filter. An elementary knowledge of transmission and filter theory has been assumed. For a person with such a background, the explanation of design methods is adequate.

The author has succeeded in presenting a large amount of design data in this 252-page volume. More than 70 of the 127 figures are charts directly concerned with numerical evaluation. Design data for a large number of specific filter configurations (in excess of 30) is presented. These vary from a single section to a filter of five M-derived sections (with different M values) plus a terminating k section. Sufficient data are presented to enable one to determine the minimum number of elements required for the solution of a given design problem and to assign element values after having determined the required configuration.

Included is a chapter on the determination of tolerances required on individual elements to meet a specified overall tolerance. This problem is approached by the theory of probability.—*G. W. Read*, Westrex Corp., 6601 Romaine St., Hollywood 38, Calif.

### Comptes rendu Proceedings of 1951 Stockholm Convention of the Commis- sion Internationale De L'Éclairage

Published (1952) by the Central Bureau of the Commission Internationale De L'Éclairage. 1706 pp. Available at a delivered price of \$12.50 per set of 3 vols., from T. D. Wakefield, Treasurer U.S.N.C., I.C.I., F. W. Wakefield Co., Vermilion, Ohio.

The twelfth session of the International Commission on Illumination was held in Stockholm, Sweden, in June and July, 1951. The proceedings are published in three volumes described as follows:

Volume I contains the Secretariat Reports for the separate committees participating. The twenty-odd contributing committees cover such subjects as definitions and units, methods of measurement, physiology and theories of vision, light sources and all sorts of practical applications of lighting. The Secretariat Reports contain much material contributed from many different countries which should be of great value to any student or research worker interested in the subjects covered; for, in many instances, they contain very extensive bibliographies consisting of literally hundreds of references to papers from many lands. The report of Committee 62d on Cinema Lighting contains information submitted by members from Belgium, Czechoslovakia, Denmark, France, Great Britain, Norway, Sweden and the U.S.A. It is gratifying to note that so many countries by independent means have arrived at *approximately* the same range of recommended screen brightness as our own for viewing 35mm motion pictures.

Volume II contains forty-five papers on a wide range of subjects presented at the Stockholm Meeting by individual delegates.

**SMPTE Officers and Committees:** A new publishing of the roster of Society Officers and the Committee Chairmen and Members is scheduled for the April *Journal*. The last one is in April 1952.

Volume III contains a complete list of the delegates and visitors, minutes of the meetings, and the official recommendations of the C. I. E. Many of the recommendations of committees of the C. I. E. have already been published in various journals. Some were contained on pages 734-738 of the *Journal of the Optical Society of America*, Vol. 41, Oct. 1951. Recommendations by Committee 62d on Screen Lighting in Cinemas and those of Committee 63 on Television were reported on pages 283 and 284 of this Society's *Journal* for September 1951. The minutes also report the change of name of the Commission from International Commission on Illumination (I. C. I.) to Commission Internationale De L'Éclairage (C. I. E.) because of a conflict with the prior trademark of Imperial Chemical Industries in England.

Decision was announced to hold the next meeting in 1955 in Switzerland.—*W. W. Lozier*, National Carbon Co., Fostoria, Ohio.

### A Television Policy for Education

Carrol V. Newsom, Editor. Published (1952) by American Council on Education, 1785 Massachusetts Ave., N.W., Washington 6, D.C. i-xx + 267 pp. 6 × 9 in. Price \$3.50.

Engineers, industrialists, administrators from government and education, lawyers, entertainers, producers and other leaders related their experiences and aspirations in developing, administering and programming educational television at the Television Programs Institute held at Pennsylvania State College, April 20-24, 1952. Their papers have been abstracted in this well-edited volume, which includes a wealth of data on costs and practical steps to be taken.

The Institute was sponsored by the American Council on Education which is a council of national educational associations, universities, colleges, technological schools, state departments of education, and many other interested organizations including large public libraries.

The Institute meeting was a serious task

project with the following Advisory Committee:

Milton S. Eisenhower, *Chairman*; President, Pennsylvania State College.  
 Arthur S. Adams, President, American Council on Education  
 Reverend Theodore M. Hesburgh, President, University of Notre Dame  
 Armand L. Hunter, Director of Television Development, Michigan State College  
 Francis Keppel, Dean, Harvard Graduate School of Education  
 George E. Probst, Director of Radio, University of Chicago  
 Mark C. Schinnerer, Superintendent of Schools, Cleveland  
 Ralph Steetle, Executive Director, Joint Committee on Educational Television

The staff for the Institute was:

*Director*: Carrol V. Newsom, Associate Commissioner for Higher Education, State of New York  
*Assistant Director*: E. Arthur Hungerford, General Precision Laboratory, Pleasantville, N.Y.  
*Consultant to the Director*: Frederick W. Hoeing, New York  
*Administrative Assistant*: Mrs. Eunice Collins Parker, American Council on Education, Washington, D.C.

From these and some 90 other participants there has been derived for this volume a substantial presentation of addresses, panel discussions, reports and working papers. At the Institute there were 11 demonstrations which this book could only cite.

Parts of the information here will not be new to some engineers and their communities — but recent reports on experience in New York state bear witness that a little more thorough dissemination may not be a dangerous thing. The State's Temporary Commission on the Use of Television for Educational Purposes recently delivered a report that the *New York Times* on March 1, 1953, called "an incredibly clumsy and shocking document." The *Times* thoroughly followed out its headline: "Incredible Document — Report on Educational Video Is Shameful."

The worth of a book like *A Television Policy for Education* may be further assessed by noting from the March 8, 1953, *New York Herald-Tribune* the concluding paragraph which columnist John Crosby wrote

after supplying some of the known television cost figures:

"The worst effects of the commission report are psychological. New York State has always been considered a leader in affairs of this sort. Other legislatures and even private educators who had been interested in educational TV might assume that New York has examined the thing honestly and found it wanting. This is untrue. Gov. Dewey has long been hostile to the Board of Regents and to everything they propose. The commission seems to have fallen all over itself to accommodate him, even to the extent of

falsifying every known fact about educational television."—V.A.

### **Audio-Visual Communication Review**

This is a new quarterly issuing from the Department of Audio-Visual Instruction (DAVI) of the National Education Association, 1201 16th St., N.W., Washington 6, D.C. Articles deal mostly with film and television from a cultural point of view, and a department of "Research Abstracts" provides précis of articles from other publications, dealing with films and television as training media.

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January and February 1946 *Journals*. Advise the Record Engineering Library, Radio Corporation of America, RCA Victor Division, 501 N. LaSalle St., Indianapolis, Ind.

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